

CLAIMS

1. A power driven nailing machine comprising:

a driver actuated by a striking mechanism held in a housing;

5 a nose connected to the housing and including a nose extension;

a discharge port for discharging a nail;

a contact member, disposed so as to project toward a free end of the discharge port along the discharge port, for engaging with a work so as to drive the striking mechanism; and

10 a guide rod fixed to the contact member, extending straight along the discharge port, and slidably supported on the nose so as to slidably hold the contact member on the nose,

wherein a space is formed between an outer circumferential surface of the discharge port and an inner circumferential surface of the nose extension, and

15 the contact member is held in the space, a free end of the contact member projects forward from a free end of the nose extension.

20 2. The power driven nailing machine according to claim 1, further comprising a nose top attached to a free end of the nose,

wherein the discharge port comprises a discharge port of the nose, and a free end discharge port of the nose top.

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3. The power driven nailing machine according to claim 2,

wherein the space is formed between an outer circumferential surface of the nose top and an inner circumferential surface of the nose extension.

- 5 4. The power driven nailing machine according to claim 2, further comprising a guide formed in parallel with the discharge port of the nose,

 wherein the guide rod is slid along the guide.

- 10 5. The power driven nailing machine according to claim 1, further comprising:

 a cylinder formed in the housing;

 a combustion chamber formed in an upper portion of the cylinder;

- 15 a piston driven in the cylinder; and

 a valve mechanism provided between the combustion chamber and an exhaust port and urged so that the combustion chamber and the exhaust port communicate with each other,

- wherein the valve mechanism is operatively connected to
20 the guide rods, and the valve is actuated, by bringing the contact member into contact with the work, so that the combustion chamber and an exhaust passage is shut off from each other.

6. The power driven nailing machine according to claim 1,
25 further comprising:

 a nail holding magazine connected to the nose and including

a pusher for pressing the connected nails into the discharge port,

wherein the guide rod is engageable with the pusher, and the contact member is prevented from being actuated by engaging
5 an end portion of the guide rod with the pusher in a position of the pusher when the nails in the magazine run out.

7. The power driven nailing machine according to claim 7, wherein the guide rod includes a first and a second guide rods,
10 the first guide rod is connected to the striking mechanism, the second guide rod is engageable with the pusher.